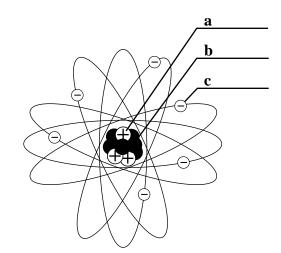


ATOMS AND ISOTOPES REVIEW

| Select the | word that best fits the de | efinition given. | | |
|---|----------------------------|--|---------------|--------|
| 1 | | the smallest unit of a chemical element that has all the chemical properties of that element | | |
| 2 | | the bundle consisting of protons and ne found in the center of an atom | utrons, which | is |
| 3 | | atoms of an element containing the sam protons, but different numbers of neutro | | |
| 4 | | a part of an atom with a positive charge | | |
| 5 | | a part of an atom with a negative charge | Э | |
| | isotopes | nucleus | | |
| | atoms | proton | | |
| | electron | atomic weight | | |
| An atom is identified by the number of protons in its nucleus. Protons and electrons together make up the nucleus of an atom. Atoms are so small that humans cannot see them. | | | T T | F F |
| Atoms combine to form molecules. | | | Т | F |
| J. Aloms | combine to form molecu | 163. | Т | F |
| H₂SO₄ C₆H₁₂C KOH | D ₆ | elements make the molecules of the follo | | |
| | | | | |
| 5. – 51 ₂ | | | | |

D. Models

 Label the model of the carbon atom shown to the right. An atom of carbon has 6 protons, 6 neutrons, and 6 electrons. Remember that protons have a positive (+) charge, electrons have a negative (-) charge, and neutrons have no electrical charge.



Draw a model of a helium atom. An atom of helium has 2 protons, 2 electrons, and 2 neutrons. Show protons as , electrons as , and neutrons as .